

EE 491 WEEKLY REPORT 9

Date: 11/1/16-11/7/16

Group number: 22

Project title: Smartphone based nano-device for human breath sensing

Client &/Advisor: Prof. Long Que

Team Members/Role: Jared Smiley-Team Leader, Zhaobo Huang-Webmaster, Mengzhou Sha-Communication Leader, Concept Holder-Xin Chen

○ **Weekly Summary**

This week we proofread the design doc to get it ready to submit. Additionally we started work playing around with Solid-works to try to start building a 3d model for our spectrometer design. We also started to put together our presentation for our professor on what we have learned about Matlab and how to form a frequency spectrum. We have started to build our website and put all of our weekly reports on it as well as our project plan. We started researching how to transfer Matlab code to an android app.

Past week accomplishments

- Xin: Started work with solidworks
- Mengzhou: Researched transfer of matlab code to android
- Zhaobo: Started work on website
- Jared: proofread design doc and got ready for submission

○ **Pending issues**○ **Individual contributions**

<u>NAME</u>	<u>Individual Contributions</u>	<u>Hours this week</u>	<u>HOURS cumulative</u>
Xin	Attended project work meeting, started solidworks	2	18.5
Mengzhou	Researched android implementation	2	18.5
Zhaobo	Started website	2	18.5
Jared	Finalized design doc	2	19

○ **Plan for coming week**

- Xin: present finished matlab code to mentor, finish android code to retrieve image from camera and convert to frequency spectrum to display on screen, complete preliminary 3d design, launch website

- Mengzhou: present finished matlab code to mentor, finish android code to retrieve image from camera and convert to frequency spectrum to display on screen, complete preliminary 3d design, launch website
- Zhaobo: present finished matlab code to mentor, finish android code to retrieve image from camera and convert to frequency spectrum to display on screen, complete preliminary 3d design, launch website
- Jared: present finished matlab code to mentor, finish android code to retrieve image from camera and convert to frequency spectrum to display on screen, complete preliminary 3d design, launch website

- **summary of meeting with our professor**

N/A